

Abstract of the Disclosure

An optical monitoring circuit includes a photoelectric device such as a photo-detector that produces a signal in response to incident light thereon corresponding to a characteristic of the incident light such as intensity, or wavelength. A light source is disposed within the circuit for emitting a beam of light, a portion of which is to be incident upon the photoelectric device. The photoelectric device when reversed biased provides an output electrical signal from which the intensity of light from the light source impinging thereon can be determined. The photoelectric device when forward biased provides an output signal from which the temperature of the photoelectric device can be determined. A method and circuit are disclosed for calibrating out the unwanted effect of light from the light source affecting accuracy of the determined temperature derived from the output signal when the photoelectric device is forward biased.

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